



ORDINANCE NO. 1068.
Final publication No. 2402.
First publication in the Chronicle
on April 14, 1988.
CITY OF CAMBRIDGE
In the Year One Thousand,
Nine Hundred Eighty-Eight
AN ORDINANCE

In amendment to an Ordinance formerly entitled "The General Ordinances of the City of Cambridge" as revised in 1972 and now designated as "The Code of the City of Cambridge."

Be it ordained by the City Council of the City of Cambridge as follows:

The General Ordinances of the City of Cambridge are hereby amended by striking subsection (m) of Sec. 17-76. **Garbage and rubbish collection from private property**, as added by Ordinance No. 824 (9-10-73), and substituting therefor the following new subsection (m):

(m) Mandatory Recycling

A. There is hereby established a program for the mandatory separation of certain recyclable material from garbage or rubbish by the residents of the City of Cambridge and the collection of these recyclables at the residents' curbside. The collection of separated recyclables shall be made periodically under the supervision of the Commissioner of Public Works.

B. For the purpose of this ordinance affected recyclables are defined as follows:

1. Aluminum - cans made from aluminum, aluminum foil, aluminum wrappers, and aluminum containers or trays used in the packaging, preparation, or cooking of foods.
2. Glass - all unbroken jars and bottles, and all other material commonly known as glass, but excluding blue and flat glass, window glass, dishes and crockery.
3. Ferrous metal cans - all containers composed in whole of iron or steel or so-called tin cans used as containers for food or nonfood items, except containers which contained paint or petroleum based solvents and pressurized aerosol cans.
4. Clean and unsoiled newspaper, including newsprint, all newspaper advertisements, supplements, comics and enclosures. Newspapers shall be considered clean and unsoiled if they have not been exposed to substances rendering them unusable for recycling.
5. Corrugated paper - corrugated boxes, cardboard, cardboard cartons, and similar corrugated and kraft paper materials.

C. Separation of Recyclables and Placement for Removal. Residents shall use the recycling receptacles provided by the city for the purpose of collecting the recyclables and placing them for disposal. These receptacles shall not be used for other rubbish or garbage. Recycling receptacles shall be placed on and removed from the curbside in accordance with section 17-76(d). All the metal and glass recyclables as defined in this subsection shall be placed together in the designated recycling receptacle. These materials need not be washed, flattened or processed in any way, and labels, lids, corks and neck rings need not be removed.

Recyclable newspapers and corrugated paper shall be placed on top of or next to the recycling receptacle in a manner to prevent the scattering of the paper. Newspapers shall either be packed in standard grocery or paper shopping bags, placed in corrugated cartons or securely tied in flat bundles, none of which shall weigh more than fifty pounds. If not used for packing paper recyclables, corrugated boxes shall be collapsed and tied in bundles not weighing more than fifty pounds and placed by the recycling receptacle.

Recyclables shall not be placed in plastic trash bags for collection, removal or disposal. Recyclables shall not be placed in the same refuse container or otherwise mixed with other forms of solid waste for collection, removal or disposal. Any violation of this subsection (m) c. or any part thereof shall be punishable by a fine not to exceed ten dollars.

D. Ownership of Recyclables, Offenses.

Upon placement of recyclables for collection by the City at the curbside, pursuant to this subsection, such materials shall become property of the City. It shall be a violation of this subsection (m) D. for any person, other than authorized agents of the City acting in the course of their employment, to collect or pick up or cause to be collected or picked up any recyclable material so placed. Each and every such collection or pick up in violation hereof from one or more locations shall constitute a separate and distinct offense. The recyclables collected by the City shall be transported to and disposed of at the designated Materials Recovery Facility. Any violation of this paragraph D or any part thereof shall be punishable by a fine not to exceed fifty dollars and the violator shall make restitution to the City for the value of the recyclables illegally removed.

E. That no recycling station be situated within a neighborhood without prior approval of the appropriate neighborhood or neighborhood association.

F. All ordinances, resolutions, regulations or other documents inconsistent with the provisions of this ordinance are hereby repealed to the extent of such inconsistency.

G. This subsection and the various parts, sentences and clauses thereof are hereby declared to be severable. If any part, sentence or clause is adjudged invalid, it is hereby provided that the remainder of this subsection shall not be affected thereby.

H. This subsection shall take effect within one week after the Materials Recovery Facility commences commercial operation and the City's collection process is in place. Notice of the commencement date shall be published once in a daily newspaper having circulation in the City.

Passed to be ordained as amended at the City Council meeting held on May 9, 1988 by a yeas and nays vote:- Yeas 6; Nays 3; Absent 0.

ATTEST:-

(C)May19

Robert W. Healy,
City Manager.
Joseph E. Connarton,
City Clerk.



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City Manager.
Joseph E. Connorton,
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**PUBLIC NOTICE
RELATIVE TO ZONING
CITY OF CAMBRIDGE
MASSACHUSETTS
Office of the City Clerk**

Notice is hereby given that in accordance with the provisions of Chapter 40A, Section 5 of the General Laws, Tercentenary Edition and amendments thereto, that the Committee on Ordinances, comprised of the entire membership of the City Council, will hold a public hearing on Thursday, June 9, 1988 at 5:30 p.m. in the Sullivan Chamber, City Hall, Cambridge, Massachusetts on a petition of **Peter Kemble**, et al to amend the text of the Zoning Ordinance by creating a new **Banks Street Area Parking Overlay District** as follows:

1.0 In Article 2.00, Definitions, insert the following new definition in its corresponding alphabetical location:

Bedroom: Any room in a dwelling unit which is (1) greater than eighty (80) square feet in net floor area, (2) easily isolated from other rooms of the dwelling by walls and closed doors, and (3) not necessary to interior circulation through the premises.

2.0 In Section 6.36, Schedule of Parking and Loading Requirements, add footnote enumeration "14" to the following Residential Uses of 6.361, first column:

- a. Detached dwelling unit occupied by not more than one family
- b. Two family dwelling
- c. Existing one-family detached dwelling converted for two families
- d. Townhouse development
- g. Multi-family dwelling
- h. Existing dwelling converted for more than two families

3.0 In Section 6.36, Schedule of Parking and Loading Requirements, add the following footnote 14 to the end of the Parking Table:

"14. In the Banks Street Area Parking Overlay District, minimum parking requirements shall be (a) one space per dwelling unit for units of not more than one bedroom, plus (b) an additional one-half space per dwelling unit for each additional bedroom within said unit. Where application of this formula creates a fractional requirement for the total parking of a project, then said requirement shall be rounded up to the next highest integer."

B. Amend the Zoning Ordinance and Map by establishing the Banks Street Area Parking Overlay District as follows:

1.00 Establish an Overlay District entitled the Banks Street Area Parking Overlay District by a boundary delineated as follows:

1.01 Beginning at a point, said point being the intersection of the midline of Mount Auburn Street and the northerly extension of the midline of Putnam Avenue;

1.02 Then running southerly 1,061 feet more or less along the midline of Putnam Avenue to its intersection with the easterly extension of the northern lot line of lot 144 on Assessor's Plat 130;

1.03 Then running westerly 322 feet more or less along the northern lot line of lot 144 and its extension to the midline of Banks Street;

1.04 Then running northerly 550 feet more or less along the midline of Banks Street to its intersection with the midline of Cowperthwaite Street, a private way;

1.05 Then running westerly 293 feet more or less along the midline of Cowperthwaite Street to its intersection with the southwesterly extension of the northwestern lot line of lot 86 on Assessor's Plat 132;

1.06 Then running northeasterly 121 feet more or less along the northwestern lot line of lot 86 to its intersection with the southwestern lot line of lot 73 on Assessor's Plat 132;

1.07 Then running northwesterly 38 feet more or less along the southwestern lot line of lot 73 to its intersection with the northwestern lot line of lot 73;

1.08 Then running northeasterly 123 feet more or less along the northwestern lot line of lot 73 and its extension to its intersection with the midline of Grant Street;

1.09 Then running northwesterly 367 feet more or less along the midline of Grant Street and its extension to its intersection with the midline of DeWolfe Street;

1.10 Then running northeasterly 480 feet more or less along the midline of DeWolfe Street and its extension to its intersection with the midline of Mount Auburn Street;

1.11 Then running southeasterly 843 feet more or less along the midline of Mount Auburn Street to its point of intersection with the northeasterly extension of the midline of Putnam Avenue, said point being the point of origin of the boundary of this Overlay District.

2.00 Said Overlay District includes all or parts of the following parcels of land:

2.01 **Premises shown on Assessor's Plat #130:** Even numbers on Flagg Street opposite odd numbers 5 through 25 as shown on Plat #131 (said even numbers not indicated on Plat #130), two un-numbered addresses on Walker Court, odd numbers 77 through 89 on Putnam Avenue, and even numbers 132 through 144 Banks Street; and including all or parts of lots numbered 82 through 90, and 92 through 95.

2.02 **Premises shown on Assessor's Plat #131:** Odd numbers 5 through 25 on Flagg Street, even numbers 80 through 118 on Banks Street, odd numbers 9 through 15 and even numbers 10 through 16 on Fallon Place (a private way), even numbers 12 through 28 on Surrey Street, and odd numbers 45 through 73 on Putnam Avenue; and including all or parts of lots numbered 33 through 36, 38 through 45, 47 through 52, and 59 through 60.

2.03 **Premises shown on Assessor's Plat #132:** Odd numbers 3 through 39 on Putnam Avenue, odd numbers 9 through 29 on Surrey Street, odd numbers 1 through 15 on Cowperthwaite Street (a private way), even numbers 2 through 16 and odd numbers 3 through 31 on Grant Street, even numbers 4 through 24 on DeWolfe Street, even numbers 2 through 36 on Mount Auburn Street, odd numbers 9 through 29 and even numbers 14 through 30 and one odd-side un-numbered lot on Athens Street, and odd numbers 1 through 3 and even numbers 4 through 6 on Athens Terrace (a private way), and odd numbers 7 through 73 and even numbers 18 through 68 on Banks Street, and even numbers 694 through 702 and two un-numbered lots on Green Street (a private way); and including all or parts of lots numbered 4, 6 through 11, 14 through 19, 21, 23 through 31, 33, 36 through 41, 50 and 51, 54 and 55, 59 through 66, 73 through 86, 97 through 100, 103, 106 and 107, 109, 111 through 113, 116, 118 through 122, 124 through 126, 128, 131, 133 through 135, 138, and 141 through 146.

Copies of this petition are on file in the Office of the City Clerk, City Hall, Cambridge, MA.

All persons interested in this matter may appear at this time and be heard.

For the Committee,
Councillor William H. Walsh,
Chairman.



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2.0 In Section 6.36, Schedule of Parking and Loading Requirements, add footnote enumeration "14" to the following Residential Uses of 6.361, first column:

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3.0 In Section 6.36, Schedule of Parking and Loading Requirements, add the following footnote 14 to the end of the Parking Table:

"14. In the Banks Street Area Parking Overlay District, minimum parking requirements shall be (a) one space per dwelling unit for units of not more than one bedroom, plus (b) an additional one-half space per dwelling unit for each additional bedroom within said unit. Where application of this formula creates a fractional requirement for the total parking of a project, then said requirement shall be rounded up to the next highest integer."

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For the Committee,
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State impeded ambitious recycling program

Your Feb. 3 editorial "Trash disposal's threat" begins by mentioning my resignation. However, you mistakenly identify me as "the head of the state's division of solid-waste management." Far from being the head of the DSWM, I am a Grade 23 program coordinator.

For the last three years, my job was to develop and implement a statewide recycling plan that would provide the foundation for achieving the state's objective of recycling 25 percent of the solid-waste stream. And, although you may be correct in stating that Massachusetts has no overall solid-waste-disposal plan for the remaining 75 percent, my staff and I developed the most comprehensive statewide recycling plan in the country.

The Massachusetts Recycling Plan has become the basis of statewide mandatory recycling legislation in Rhode Island and Connecticut and is the model being emulated by other East Coast states.

Some of the components of this plan have been implemented. The first 10 leaf- and yard-waste composting programs began in Massachusetts last fall. We brought into Massachusetts one of the first mixed-plastics recycling technol-

ogies to be developed in the country. In western Massachusetts, 17 communities have passed mandatory recycling ordinances in order to participate in the state's first Regional Recycling Program.

Tin, steel, aluminum, glass, plastics and paper markets have been secured or identified for the material coming from these five programs. The Legislature has passed a bill authorizing the expenditure of \$45 million for implementation of this plan.

This large, complex program involves the state assuming a role it plays in no other aspect of solid-waste management. It requires an institutional structure and management-level decision-making authority in order to effectively accomplish its implementation objectives. Unfortunately, the state ignored the structural imperatives imposed by this program and buried it under so many layers of bureaucracy that it will take years before components of this program are implemented.

This is very sad, and it is what precipitated my resignation. Everything was in place for the environment, as well as the Dukakis administration, to score a major victory.

JOHN SCHALL

Chestnut Hill

2/18/88 - GLOBE

months has made date.
is a viable candidate who complained about the campaign environment who want to

hire for Hart, he offers others who might be a candidacy. establish a person-to-person campaign, he said, to those people,

in in a way that still exists in the views on primary elections are hectic to accommodate a few questions and later in the

a sound more like the world than a candidacy.

campaign presents a "he talked confirmation" alternative to the Democratic party, which are

candidate as a candidate and offered a rationale for the race even in Hampshire decid-

the country's got to go the party has got to go and left because of this, I would not be

"I don't yield to toughness to Al Gore," he said. "We happen to disagree on where our resources ought to go . . . That's not a debate over toughness, that's a debate over what you think are the priorities for a defense budget and where you think limited resources ought to go."

Dukakis said Gore "wants to spend \$50 billion on the Midgetman missile. I think we ought to put some of those resources into conventional weapons."

Dukakis also said he supports the use of military force against terrorist "installations and base camps," including the bombing of Libyan terrorist bases.

represent commencing democratic trip to the spoke of and dem

Dukakis by former tucky and New Orleans "nonsense country."

"When and as said.



PIERRE S. du PONT 4th . . . disappointing finishes

A TELEPHONE DIRECTORY FOR CAMBRIDGE AREA READERS
FINGERTIP SHOPPING
GOOD PEOPLE TO KNOW WHO TO CALL-WHERE TO BUY

NICHOLAS PINO
Certified Public Accountant
COMPUTERIZED ACCOUNTING SERVICES

PROFESSIONAL AMBULANCE SERVICE
"CARING IS OUR BUSINESS"
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Antiques • Reproductions • Used Furniture
DELIVERY AVAILABLE

Superior Auto Bodyworks
Complete Body Work
Specialists in Collision Work

OSTER INSURANCE AGENCY
Auto and Motorcycle Insurance
Call 876-7302

Sweet Touch
Bakery and Coffee Shop
Daily Breakfast & Luncheon Specials

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261 Cambridge St. East Cambridge

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617-876-5099

COREY R. CUTLER
Attorney At Law
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SCES ANSWERS FOR ELDERS
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Many older Americans and their regular Social Security and other government payments from the government have learned to take advantage of Direct Deposit, a free service that sends the payments directly to an individual's savings or checking account.

The service is easy and convenient and offers a real sense of security for elders who might otherwise worry about their government checks being stolen or lost.

Direct Deposit is available to anyone receiving any of the following payments: Social Security, Supplemental Security Income, Railroad Retirement, Civil Service Retirement, Veterans Administration Compensation and Pension, Armed Forces Retirement and Federal Salary.

In addition, because payments are sent to the banks by electronic funds transfers, the need to print and mail checks is eliminated, saving millions of tax dollars every year.

staff can answer any questions and offer help in filling out the form. Direct Deposit payments will begin within 60 to 90 days.

lost their spouses. Can you tell me more?
A You may be thinking about Omega, a Somerville organization that offers short-term grief counseling for recent widows and widowers, as well as people faced with life threatening conditions.

What are the advantages of direct deposit?
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HANGING AROUND — Manuel Sousa, John Braga and John Carvalho spent a recent sunny afternoon talking on their stoop in front of the Time Palace Antiques on Hampshire street. (Staff photo by Carolyn Hine)

CANTABS

St. John the Evangelist School has announced that the following Cambridge residents have earned Honor Roll status for the second marking period: Kerry Fitzgerald, Denise Pugliare, Diana Aubourg, Marlene Joseph, Christopher Caniff, Naketa Williams, Robert Sullivan, Christine Theriault, Jodie Carroll, Cynthia Harling, Jeremy O'Leffe, Mary Corine Pollander, Katie Pugliare, Michael Crotty, Erin Greenleaf, Amanda MacGee, David Theriault and Duong Tran, have all earned the highest honors. The following students have earned first honors at St. John's: Michele Egan, Rachel Benjamin, Erin Maloney, Ann-Margaret Montouis, Kassandra Harling, Daniel Destin, Clifton Verdieu, Sarah Marcone, Rose-Martine Theodore, Gina Cecere, Daniel Egan, Michael Nazareno, Michael Haddad and Lisa Levesque.



LISA MARIE LYLE, daughter of Robert and Lucille Lyle, sister of Marc Lyle and granddaughter of Alfred and Theresa Lyles of Cambridge, has been accepted as a state finalist in the Miss Massachusetts, American Pre-Teen Pageant. She is a student at the M.E. Fitzgerald School, and attends Eleanor Boyle School of Dance. She has won a number of awards including best personality out of 79 girls competing for the title of Miss Pre-Teen. She is sponsored by Stephen James House of Cambridge.

Named to the second honors list are the following students: Allison Egan, David Levesque, Joey Pollander, Ndoc Tran, Tania Canoe, Mark Duddy, James Marcone, Jerry Monde, Jeremy Furtado, Benjamin Greenleaf, Chad Keeffe, Claude Tabuteau, James Tiblane, Chalon Desmarate, Jessica Joseph, Charles Joutate, Adam Carter, Josephine Bain, Cindy Caya, Dorothe Ferdinand, Ferene Paris, Robert Pierre and Terence Smith.

Neville Christian, of Auburn St., has recently enrolled in the Carpentry program at the North Bennet Street School.

The following Cambridge junior and senior high school students were recently honored at a regional awards ceremony of the 38th annual Boston Girls Scholastic Art Awards: Mark Anders, Joshua Brewer, Steven Kim, Hisanichi Morita, Francesca Ngega, Ana Nichols, Zed Pettijohn, Gabriel Phipps and Olmy Rosenstock, all from Cambridge Rindge and Latin School, Allan Williams, from the North Cambridge Catholic High School.

Nadine Borofsky, of Alpine St., has been named to the Dean's List for Johnson and Wales College in Providence, RI.

The following Cambridge residents recently graduated from the Wentworth Institute of Technology in Boston: Richard F. Bosel, of Prescott St., Jean Ary Ceant, of Rindge Ave., Wayne O. Crawford, of Kinnaird St., of Francisco Da Silva, of Columbia St., Peter J. Desjardins, of Norfolk St., Maurizio A. Passaro, of Chester St., Stephen Pizzuto, of Park Ave., Linton Perton, of Magee St. and Ronald R. Watkins, of Harvard St.

Ulric Grigsby, of Cambridge, completed in the Southern California Regional Senior Olympics at Palm Springs. Grigsby came away with eight medals, three of them gold. Grigsby is planning to be in Korea for the Summer Olympic Games, and has sent a letter to the Korean Olympic Committee asking to help carry the torch when it reaches that country.

At the Winchester Hospital To Joyce A. (Hodgkins) and Robert Roberto of Tewksbury, a daughter, Julie Elizabeth, born April 11. The grandparents are Mr. and Mrs. Robert G. Hodgkins of Leonard Ave., and Elizabeth Robbio of Acton.

At the Mount Auburn Hospital To Margaret (Foley) and Edward F. Trainor of Dudley St., a daughter, Meaghan Elizabeth, born April 5. The grandparents are Peggy Foley of Cambridge, and Matt and Rita Trainor of Arlington.

To Bettina L. Anderson of Cambridge, a daughter, Ashme Michelle, born May 6. The grandmother is Marie Anderson of Cambridge.

BIRTHS

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To Bettina L. Anderson of Cambridge, a daughter, Ashme Michelle, born May 6. The grandmother is Marie Anderson of Cambridge.

BIRTHS

To Marion Corine (Linder) and Robert Mario DePiero of Billerica, a son, Brad Michael, born April 7. The grandparents are Emily M. Linder of Revere, and Mario and Beatrice DePiero of Willow St. Acton.

At the Mount Auburn Hospital To Christine and Paul Corey of Peabody, a daughter, Melissa Ellen, born April 6. The grandparents are Joseph and Marie Corey of Cambridge, and Ronald and Barbara Holloran of Salem. The great-grandparents are Charles and Claire Holloran of Salem, and Helen Sylvester of Salem.

Sylvia Piltch, retired director of physical therapy at The Cambridge Hospital, speaks at the Cambridge Public Library, 409 Broadway, on the topic of growing up Jewish in Cambridge. The talk is part of the "Growing Up in Cambridge" talk series. On Wednesday, June 1, at 7:30 pm, Peter Kiang and Lenny Ning will present a video and discussion on Asian Americans in Cambridge. And on June 9, at 7:30 pm, Mayor Alfred E. Vellucci will discuss growing up Italian in Cambridge.

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LAW DEPARTMENT

CITY OF CAMBRIDGE

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JOSEPH E. CONNARTON
CITY CLERK

JOHN E. FLYNN
DEPUTY CITY CLERK

May 19, 1988

Mr. Russell B. Higley
City Solicitor
City Hall
Cambridge, MA 02139

Dear Mr. Higley:

Enclosed you will find a proposed amendment to the General Ordinances of the City of Cambridge which was passed to be ordained as amended at the City Council meeting held on May 9, 1988 relative to Mandatory Recycling.

Would you kindly review this amendment and indicate your approval or disapproval on the bottom and return to this office.

Your kind attention in this matter will be greatly appreciated.

Very truly yours,
Joseph E. Connarton

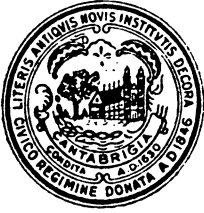
Joseph E. Connarton
City Clerk

JEC/d1

Enc. (1) Ordinance Number 1068

C.C. Councillor William Walsh, Chairman, Committee on Ordinances
Mr. Cellucci, Inspectional Services Commissioner.

5/25/88
Approved
Russell Higley



City of Cambridge

In the Year One Thousand, Nine Hundred

AN ORDINANCE

In amendment to an Ordinance formerly entitled "The General Ordinances of the City of Cambridge" as revised in 1972 and now designated as "The Code of the City of Cambridge."

Be it ordained by the City Council of the City of Cambridge as follows:

The General Ordinances of the City of Cambridge are hereby amended by striking subsection (m) of Sec. 17-76. Garbage and rubbish collection from private property, as added by Ordinance No. 824 (9-10-73), and substituting therefor the following new subsection (m):

(m) Mandatory Recycling

A. There is hereby established a program for the mandatory separation of certain recyclable material from garbage or rubbish by the residents of the City of Cambridge and the collection of these recyclables at the residents' curbside. The collection of separated recyclables shall be made periodically under the supervision of the Commissioner of Public Works.

B. For the purpose of this ordinance affected recyclables are defined as follows:

1. Aluminum - cans made from aluminum, aluminum foil, aluminum wrappers, and aluminum containers or trays used in the packaging, preparation, or cooking of foods.
2. Glass - all unbroken jars and bottles, and all other material commonly known as glass, but excluding blue and flat glass, window glass, dishes and crockery.
3. Ferrous metal cans - all containers composed in whole of iron or steel or so-called tin cans used as containers for food or nonfood items, except containers which contained paint or petroleum based solvents and pressurized aerosol cans.

4. Clean and unsoiled newspaper, including newsprint, all newspaper advertisements, supplements, comics and enclosures. Newspapers shall be considered clean and unsoiled if they have not been exposed to substances rendering them unusable for recycling.

5. Corrugated paper - corrugated boxes, cardboard, cardboard cartons, and similar corrugated and kraft paper materials.

C. Separation of Recyclables and Placement for Removal. Residents shall use the recycling receptacles provided by the city for the purpose of collecting the recyclables and placing them for disposal. These receptacles shall not be used for other rubbish or garbage. Recycling receptacles shall be placed on and removed from the curbside in accordance with section 17-76(d). All the metal and glass recyclables as defined in this subsection shall be placed together in the designated recycling receptacle. These materials need not be washed, flattened or processed in any way, and labels, lids, corks and neck rings need not be removed.

Recyclable newspapers and corrugated paper shall be placed on top of or next to the recycling receptacle in a manner to prevent the scattering of the paper. Newspapers shall either be packed in standard grocery or paper shopping bags, placed in corrugated cartons or securely tied in flat bundles, none of which shall weigh more than fifty pounds. If not used for packing paper recyclables, corrugated boxes shall be collapsed and tied in bundles not weighing more than fifty pounds and placed by the recycling receptacle.

Recyclables shall not be placed in plastic trash bags for collection, removal or disposal. Recyclables shall not be placed in the same refuse container or otherwise mixed with other forms of solid waste for collection, removal or disposal. Any violation of this subsection (m) c. or any part thereof shall be punishable by a fine not to exceed ten dollars.

D. Ownership of Recyclables, Offenses.

Upon placement of recyclables for collection by the City at the curbside, pursuant to this subsection, such materials shall become property of the City. It shall be a violation of this subsection (m) D. for any person, other than authorized agents of the City acting in the course of their employment, to collect or pick up or cause to be collected or picked up any recyclable material so placed. Each and every such collection or pick up in violation hereof from one or more locations shall constitute a separate and distinct offense. The recyclables collected by the City shall be transported to and disposed of at the designated

Materials Recovery Facility. Any violation of this paragraph D or any part thereof shall be punishable by a fine not to exceed fifty dollars and the violator shall make restitution to the City for the value of the recyclables illegally removed.

E. That no recycling station be situated within a neighborhood without prior approval of the appropriate neighborhood or neighborhood association.

F. All ordinances, resolutions, regulations or other documents inconsistent with the provisions of this ordinance are hereby repealed to the extent of such inconsistency.

G. This subsection and the various parts, sentences and clauses thereof are hereby declared to be severable. If any part, sentence or clause is adjudged invalid, it is hereby provided that the remainder of this subsection shall not be affected thereby.

H. This subsection shall take effect within one week after the Materials Recovery Facility commences commercial operation and the City's collection process is in place. Notice of the commencement date shall be published once in a daily newspaper having circulation in the City.

Materials Recovery Facility. Any violation of this paragraph D or any part thereof shall be punishable by a fine not to exceed fifty dollars and the violator shall make restitution to the City for the value of the recyclables illegally removed.

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CITY OF CAMBRIDGE

CAMBRIDGE, MASSACHUSETTS 02139
TEL. 498-9011

EXECUTIVE DEPARTMENT
ROBERT W. HEALY
City Manager

RICHARD C. ROSSI
Deputy City Manager

January 25, 1988

To the Honorable, the City Council:

In response to Awaiting Report No. 12 regarding a comprehensive recycling program for the City of Cambridge, I am re-submitting an amendment to the Code of the City of Cambridge which was considered by the City Council during the 1987 legislative session. This ordinance would allow Cambridge to participate in a regional recycling program sponsored by the Department of Environmental Quality Engineering. Under this program, residents would separate all aluminum, glass, and newspapers in special receptacles provided by the state and this rubbish would be picked up curbside on a weekly basis. Our participation in this program is contingent upon the siting of a Materials Recovery Facility in this area; state officials are currently negotiating for a site.

This amendment has been reviewed and accepted by the City's Recycling Committee. Once again, I recommend that this proposal be referred to the Committee on Ordinances for approval so that Cambridge may participate in this worthwhile program.

Very truly yours,

Robert W. Healy
City Manager

Agenda Item No. 4

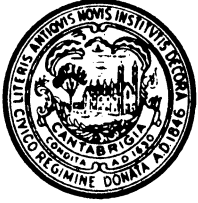
Re: response to Awaiting Report Item 12 on a comprehensive recycling program for the City & transmitting a proposed amendment to the General Ordinances by striking subsection (m) of Section 17-76 entitled "Garbage and rubbish collection from private property" & substituting a new subsection (m) entitled "Mandatory Recycling".

In City Council,

January 25, 1988

*Referred to the Ordinance
Committee*

*Copy sent to Council's Walsh
Ordinance Comm. Chair
1/29/88 rch*



CITY OF CAMBRIDGE

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City of Cambridge

In the Year One Thousand, Nine Hundred

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D. Ownership of Recyclables, Offenses.

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F. This subsection and the various parts, sentences and clauses thereof are hereby declared to be severable. If any part, sentence or clause is adjudged invalid, it is hereby provided that the remainder of this subsection shall not be affected thereby.

G. This subsection shall take effect within one week after the Materials Recovery Facility commences commercial operation and the City's collection process is in place. Notice of the commencement date shall be published once in a daily newspaper having circulation in the City.



OFFICE OF THE CITY CLERK

CITY OF CAMBRIDGE

CITY HALL, CAMBRIDGE, MASSACHUSETTS 02139

(617) 498-9017

JOSEPH E. CONNARTON
CITY CLERK

JOHN E. FLYNN
DEPUTY CITY CLERK

May 19, 1988

Mr. Russell B. Higley
City Solicitor
City Hall
Cambridge, MA 02139

Dear Mr. Higley:

Enclosed you will find a proposed amendment to the General Ordinances of the City of Cambridge which was passed to be ordained as amended at the City Council meeting held on May 9, 1988 relative to Mandatory Recycling.

Would you kindly review this amendment and indicate your approval or disapproval on the bottom and return to this office.

Your kind attention in this matter will be greatly appreciated.

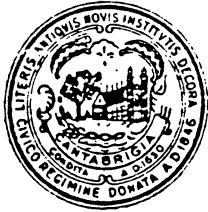
Very truly yours,
Joseph E. Connarton

Joseph E. Connarton
City Clerk

JEC/dl

Enc. (1) Ordinance Number 1068

C.C. Councillor William Walsh, Chairman, Committee on Ordinances
Mr. Cellucci, Inspectional Services Commissioner.



City of Cambridge

In the Year One Thousand, Nine Hundred Eighty-eight

AN ORDINANCE

In amendment to an Ordinance formerly entitled "The General Ordinances of the City of Cambridge" as revised in 1972 and now designated as "The Code of the City of Cambridge."

Be it ordained by the City Council of the City of Cambridge as follows:

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(m) Mandatory Recycling

A. There is hereby established a program for the mandatory separation of certain recyclable material from garbage or rubbish by the residents of the City of Cambridge and the collection of these recyclables at the residents' curbside. The collection of separated recyclables shall be made periodically under the supervision of the Commissioner of Public Works.

B. For the purpose of this ordinance affected recyclables are defined as follows:

1. Aluminum - cans made from aluminum, aluminum foil, aluminum wrappers, and aluminum containers or trays used in the packaging, preparation, or cooking of foods.
2. Glass - all unbroken jars and bottles, and all other material commonly known as glass, but excluding blue and flat glass, window glass, dishes and crockery.
3. Ferrous metal cans - all containers composed in whole of iron or steel or so-called tin cans used as containers for food or nonfood items, except containers which contained paint or petroleum based solvents and pressurized aerosol cans.

4. Clean and unsoiled newspaper, including newsprint, all newspaper advertisements, supplements, comics and enclosures. Newspapers shall be considered clean and unsoiled if they have not been exposed to substances rendering them unusable for recycling.

5. Corrugated paper - corrugated boxes, cardboard, cardboard cartons, and similar corrugated and kraft paper materials.

C. Separation of Recyclables and Placement for Removal. Residents shall use the recycling receptacles provided by the city for the purpose of collecting the recyclables and placing them for disposal. These receptacles shall not be used for other rubbish or garbage. Recycling receptacles shall be placed on and removed from the curbside in accordance with section 17-76(d). All the metal and glass recyclables as defined in this subsection shall be placed together in the designated recycling receptacle. These materials need not be washed, flattened or processed in any way, and labels, lids, corks and neck rings need not be removed.

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D. Ownership of Recyclables, Offenses.

Upon placement of recyclables for collection by the City at the curbside, pursuant to this subsection, such materials shall become property of the City. It shall be a violation of this subsection (m) D. for any person, other than authorized agents of the City acting in the course of their employment, to collect or pick up or cause to be collected or picked up any recyclable material so placed. Each and every such collection or pick up in violation hereof from one or more locations shall constitute a separate and distinct offense. The recyclables collected by the City shall be transported to and disposed of at the designated

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Passed to be ordained as amended at the City Council meeting held on May 9, 1988 by a yea and nay vote:- Yeas 6; Nays 3; Absent 0.

Robert W. Healy, City Manager.

ATTEST:- Joseph E. Connarton, City Clerk.

City of Cambridge

MASSACHUSETTS

In City Council

May 9

1988

C. Russell - Unfinished Business #2

	YEA	NAY	ABSENT	PRESENT
Mr. Thomas W. Danehy		② ✓		① ✓
Mr. Francis H. Duehay	✓			
Ms. Sandra Graham	✓			
Mrs. Sheila T. Russell	✓			
Mr. David E. Sullivan	✓			
Mr. Walter J. Sullivan		✓		
Mr. William H. Walsh	✓			
Ms. Alice K. Wolf	✓			
Mayor Alfred E. Vellucci		✓		

6

3

*C. Russell
MS
MK*



City of Cambridge

In the Year One Thousand, Nine Hundred Eighty-eight

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Passed to a second reading at the City Council meeting held on April 11, 1988 and on or after April 25, 1988 the question comes on passing to be ordained.

ATTEST:- John E. Flynn
Deputy City Clerk

ARTSLINE

MBTA to honor station modernization artworks

The Massachusetts Bay Transportation Authority (MBTA) will host a celebration on Tuesday, April 26, to honor the artists and dedicate the permanent artworks installed during the MBTA's \$80 million Station Modernization Program.

Six stations are included in this entertainment-filled event, including Chinatown and State on the Orange Line, Downtown Crossing, Broadway, Central and Kendall on the Red Line. Coordination of the MBTA's Station Modernization Art Program is conducted through the Arts On The Line Program of the Cambridge Arts Council.

This two-city event (the MBTA's Red Line serves Cambridge from Central and Kendall stations) will feature the artists, distinguished speakers and guests, and entertainment at each station. Many of the

artists entertaining at the various stations throughout the morning-long celebration have previously performed through the MBTA's Art-Stops Program for temporary art, produced by Arts On The Line for the Station Modernization Program of the MBTA.

The celebration begins with a formal ceremony at the China Trade center with remarks by James F. O'Leary, General Manager of the MBTA and other special guests.

After the opening ceremonies, a parade of Chinese Lion Dancers will gather the artists, speakers and guests, leading them down to the inbound platform of Chinatown Station where artist Toshihiro Katayama will dedicate his artwork "Color on the Line." At State Station, after a performance by Edir Passos and his Brazilian group Feitico; Cindy Stone, executive

director of the Old South Meeting House, will dedicate artist Albert Paley's wrought steel gate. Next stop is Downtown Crossing Red Line where Buster Simpson's polished granite benches are the focal point of a dance by Maureen Cosgrove and her tap dance troupe. At Broadway, Jay Coogan's 60 steel cut-out sculptures descend a wall above the mezzanine and track level - the dedication will be to the sounds of traditional Irish music performed in the station by Jack Hickie.

Moving to Cambridge on the Red Line, the festivities continue at Kendall Station when artist Paul Matisse performs a concert on his "Kendall Band," a musical sculpture in three parts: "Pythagoras," "Kepler," and "Galileo."

The last stop, Central Station, features artworks by three Oregon

artists: Elizabeth Papelli, who produced fused glass tile murals from the seven seating bays; and Anne Stjers and Dennis Cunningham who created the 100 tile medallions which punctuate the column tops throughout the station. These sculptural installations will be dedicated with a performance by a gospel choir from St. Paul's African Methodist Episcopal Church.

The MBTA's art program is funded in part by the Urban Mass Transportation Authority. Since 1978, the program has included the installation of artworks in 23 stations, including the four on the Red Line Northwest Extension, nine on the new Southwest Corridor of the Orange Line and ten in the Station Modernization Program.

River Fest plans advance

The Cambridge Arts Council has received more than 150 proposals for visual and performance artwork to be included in the 1988 Cambridge River Festival.

The staff is selecting the outstanding ideas for unique environmental installations, participatory dances and exciting performance pieces. The highlights of the 1988 River

Festival will include several scheduled public art dedications, a Harvard Square Street Dance, a Caribbean Festival in Riverside Press Park, East Cambridge Day, and family entertainment and celebrations in many neighborhoods of the city, culminating in the River Festival Day extravaganza along the Charles River.

Lottery council honored by Dukakis

The Cambridge Arts Lottery Council, as administered by the Cambridge Arts Council, received a Certificate of Appreciation from Governor Michael Dukakis on behalf of the Commonwealth, during ceremonies of Arts and Humanities Appreciation Day on March 16, at the State House.

Speaker of the House George Keverian and Senate President William Bulger presented certificates to 42 Arts Lottery councils in the state. Winners were cited for exemplary service to the community on behalf of the arts and humanities over a period of years.

The Cambridge Arts Lottery Council has recommended more than 60 programs for funding during 1987-88. Local artist supported through the Cambridge Arts Lottery Council include visual artists, actors, dancers, musicians and writers.

The recent round of the round of the Massachusetts Arts Lottery applications have gone before the Cambridge Arts Lottery panel and

some 29 have been recommended for funding during the second half of this year. Of those projects currently receiving Arts Lottery money, approximately half have been completed.

Jennifer Abod is working on another show for "Say It Sister" on WMBR-FM. Alia Arabashoughly is editing a video tape shot with Cambridge and Latin High School students. Children at the Thorndike School, Margaret Fuller House, are writing poetry with Beth Enson. Elder Arts continues its spring tour and "lunchtime" concerts have been scheduled for Somerville/Cambridge Elder Services sites.

Latin music and dance workshops begin soon at the Roberts/Maynard Community School. John Lueder-Booth is photographing North Cambridge residents and their neighborhoods for posterity. Other projects for the Cambridge River Festival are also underway, as well as individual artists' completion grants in poetry, dance, and music.

Lee exhibit focuses on the image of serpent

"Serpent Song," an exhibition of 18 three-dimensional multi-media works by Tanya Hayes Lee, opened at Gallery 57 on March 17. The artist's third one-person exhibition, "Serpent Song" focuses on the complex and paradoxical symbolism of the serpent. The exhibition will remain on view through April 29, 1988. Lee's multi-media constructions, which are made of such materials

as plaster, clay, metal, paint, paper, wood, cloth, and brick, are primarily white on white. Object, shadow and background interact to create an illusive and changing image. The works in "Serpent Song" address the dichotomy of the symbolism of the serpent - male and female, terror and joy. They're images in which the secret and the explicit intertwine, merge and re-

emerge.

Tanya Hayes Lee, of Cambridge, has a B.A. in English from Tufts University, a master's degree from Harvard Graduate School of Education, and has done course work in book design and graphic design at Massachusetts College of Art. Since 1979 the artist has owned and operated a graphic design company involved in electronic magazine and

book design and production.

In addition to freelance editing and indexing, the artist founded the Educational Writers Collaborative and worked with the Education Collaborative for Greater Boston, Inc. Serpent Song is on view at Gallery 57, weekdays from 9 am to 8 pm. Gallery 57 is located outside the offices of the Cambridge Arts Council at the City Hall annex, 57 Inman St.

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In the Year One Thousand, Nine Hundred Eighty-eight

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E. That no recycling station be situated within a neighborhood without prior approval of the appropriate neighborhood or neighborhood association.

F. All ordinances, resolutions, regulations or other documents inconsistent with the provisions of this ordinance are hereby repealed to the extent of such inconsistency.

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Passed to be ordained as amended at the City Council meeting held on May 9, 1988 by a yea and nay vote:- Yeas 6; Nays 3; Absent 0.

Robert W. Healy, City Manager.

ATTEST:- Joseph E. Connarton, City Clerk.



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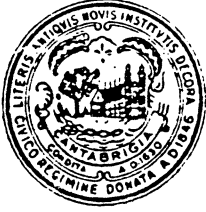
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C. Separation of Recyclables and Placement for Removal. Residents shall use the recycling receptacles provided by the city for the purpose of collecting the recyclables and placing them for disposal. These receptacles shall not be used for other rubbish or garbage. Recycling receptacles shall be placed on and removed from the curbside in accordance with section 17-76(d). All the metal and glass recyclables as defined in this subsection shall be placed together in the designated recycling receptacle. These materials need not be washed, flattened or processed in any way, and labels, lids, corks and neck rings need not be removed.

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D. Ownership of Recyclables, Offenses.

Upon placement of recyclables for collection by the City at the curbside, pursuant to this subsection, such materials shall become property of the City. It shall be a violation of this subsection (m) D. for any person, other than authorized agents of the City acting in the course of their employment, to collect or pick up or cause to be collected or picked up any recyclable material so placed. Each and every such collection or pick up in violation hereof from one or more locations shall constitute a separate and distinct offense. The recyclables collected by the City shall be transported to and disposed of at the designated

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E. That no recycling station be situated within a neighborhood without prior approval of the appropriate neighborhood or neighborhood association.

F. All ordinances, resolutions, regulations or other documents inconsistent with the provisions of this ordinance are hereby repealed to the extent of such inconsistency.

G. This subsection and the various parts, sentences and clauses thereof are hereby declared to be severable. If any part, sentence or clause is adjudged invalid, it is hereby provided that the remainder of this subsection shall not be affected thereby.

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Passed to be ordained as amended at the City Council meeting held on May 9, 1988 by a yea and nay vote:- Yeas 6; Nays 3; Absent 0.

Robert W. Healy, City Manager.

ATTEST:- Joseph E. Connarton, City Clerk.



City of Cambridge

In the Year One Thousand, Nine Hundred Eighty-eight

AN ORDINANCE

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Be it ordained by the City Council of the City of Cambridge as follows:

The General Ordinances of the City of Cambridge are hereby amended by striking subsection (m) of Sec. 17-76. Garbage and rubbish collection from private property, as added by Ordinance No. 824 (9-10-73), and substituting therefor the following new subsection (m):

(m) Mandatory Recycling

A. There is hereby established a program for the mandatory separation of certain recyclable material from garbage or rubbish by the residents of the City of Cambridge and the collection of these recyclables at the residents' curbside. The collection of separated recyclables shall be made periodically under the supervision of the Commissioner of Public Works.

B. For the purpose of this ordinance affected recyclables are defined as follows:

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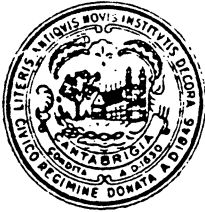
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City of Cambridge

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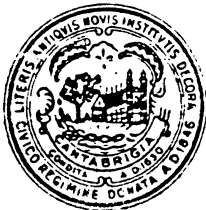
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City of Cambridge

In the Year One Thousand, Nine Hundred Eighty-eight

AN ORDINANCE

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Robert W. Healy, City Manager.

ATTEST:- Joseph E. Connarton, City Clerk.



OFFICE OF THE CITY CLERK

CITY OF CAMBRIDGE

CITY HALL, CAMBRIDGE, MASSACHUSETTS 02139

(617) 498-9017

JOSEPH E. CONNARTON
CITY CLERK

JOHN E. FLYNN
DEPUTY CITY CLERK

April 14, 1988

Mr. Russell B. Higley
City Solicitor
City Hall
Cambridge, MA 02139

Dear Sir:

Enclosed you will find a proposed amendment to the General Ordinances of the City of Cambridge which was passed to be ordained at the City Council meeting held on April 11, 1988 relative to license fees for the storage and sale of petroleum products.

Enclosed also you will find three proposed amendments which were passed to a second reading at the City Council meeting held on April 11, 1988 as follows:

1. proposed amendment to the General Ordinances in Chapter Seventeen relative to Mandatory Recycling.
2. proposed amendment to the Zoning Ordinances by adding a new definition entitled "helipads".
3. proposed amendment to the Zoning Ordinances to rezone land in the Peabody Terrace, Mt. Auburn Street, Western Avenue and Mass. Avenue area.

Would you kindly review these proposed amendments and indicate your approval or disapproval on the bottom and return to this office.

Your kind attention in this matter will be greatly appreciated.

Very truly yours,

John E. Flynn
Deputy City Clerk

JEF/dl

Encs. (4) Ordinance Number 1067

First publication Numbers 2396, 2398 and 2399

c.c. Councillor William Walsh, Chairman, Committee on Ordinances
Mr. Cellucci, Inspectional Services Commissioner



City of Cambridge

In the Year One Thousand, Nine Hundred

Eighty-Seven

AN ORDINANCE

In amendment to an Ordinance formerly entitled: "The General Ordinances of the City of Cambridge" as revised in 1972 and now designated as "The Code of the City of Cambridge."

Be it ordained by the City Council of the City of Cambridge as follows:

Chapter Six entitled: "Petroleum" is hereby amended by striking out the present Section 32 entitled: "Annual Fees for Licenses" and substituting in place thereof a new Section 32 entitled: "Annual Fees for Licenses" which shall read as follows:

Section 32. Annual Fees for Licenses.

A. Fees for the License for garages and for the keeping and storage for sale of petroleum products or any other inflammable fluids or gases or petroleum products, required under Chapter 148 of the General Laws, Section 13, as amended, are hereby established as follows:

Aggregate Car Storage Capacity For Each Garage	Fee for Original License and Certificate of Registration
4 to 10 cars	\$30.00
11 to 50 cars	55.00
51 to 100 cars	110.00
101 and over	165.00

No fee for Certificates of Registration shall be required for garages having a capacity of not more than three cars.

Fees for licenses for keeping and storage for sale or petroleum products or any other inflammable fluids or gases are hereby established as follows, except where the license is issued for the keeping and storage for direct consumption on the premises licensed or direct consumption by motor vehicles owned by the licensee or his assignee.

Aggregate Storage Capacity for
Entire Parcel of Land Licensed

Fee for Original
License and Certificate
of Registration

1 to 5,000 gallons	\$ 55.00
5,001 to 15,000 gallons	110.00
15,001 to 30,000 gallons	165.00
30,001 to 50,000 gallons	220.00
50,001 to 100,000 gallons	275.00
100,001 to 200,000 gallons	550.00
200,001 to 300,000 gallons	660.00
300,001 to 400,000 gallons	770.00
400,001 to 500,000 gallons	880.00
500,001 to 1,00,000 gallons	990.00
1,000,001 gallons and over	1,100.00

If a license is applied for solely for the purpose of keeping and storage for direct consumption on the premises licensed or for direct consumption by motor vehicles owned by the licensee or his assignee, and not for the sale or petroleum products or any other inflammable fluids or gases or petroleum products, the fee shall be eleven dollars provided that such petroleum products, inflammable fluids, or gases are not used in the manufacture of a product which is then sold at a profit.

Certificates of Registration must be filed on or before April 30th of each year.

B. Special Garage.

Special Parking Garages constructed without exterior walls for the purposes of this Ordinance be construed as Open Air Parking and the fee for such parking shall be as follows:

\$11.00 for each car.

C. Gases in Cylinders.

The keeping and storage of inflammable gases in cylinders aboveground by any individual shall require payment of the following fees:

Aggregate Storage

Fee for Original License
and Certificate of Registration

10,000 to 20,000 Cubic Feet	\$45.00
20,001 to 30,000 Cubic Feet	90.00
30,001 to 40,000 Cubic Feet	180.00
40,001 Cubic Feet and over	330.00

No fee for Certificate of Registration shall be required for storage of inflammable gases under 10,000 cubic feet. A permit shall be issued by the Fire Department for any storage of such gases less than 10,000 Cubic Feet.

In City Council April 11, 1988.

Passed to be ordained by a yea and nay vote:- Yeas 6; Nays 3;
Absent 0.

Robert W. Healy, City Manager.

ATTEST:- John E. Flynn
Deputy City Clerk



City of Cambridge

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3. Ferrous metal cans - all containers composed in whole of iron or steel or so-called tin cans used as containers for food or non-food items, except containers which contained paint or petroleum based solvents and pressurized aerosol cans.

4. Clean and unsoiled newspaper, including newsprint, all newspaper advertisements, supplements, comics and enclosures. Newspapers shall be considered clean and unsoiled if they have not been exposed to substances rendering them unusable for recycling.

5. Corrugated paper - corrugated boxes, cardboard, cardboard cartons, and similar corrugated and kraft paper materials.

C. Separation of Recyclables and Placement for Removal. Residents shall use the recycling receptacles provided by the city for the purpose of collecting the recyclables and placing them for disposal. These receptacles shall not be used for other rubbish or garbage. Recycling receptacles shall be placed on and removed from the curbside in accordance with section 17-76(d). All the metal and glass recyclables as defined in this subsection shall be placed together in the designated recycling receptacle. These materials need not be washed, flattened or processed in any way, and labels, lids, corks and neck rings need not be removed.

Recyclable newspapers and corrugated paper shall be placed on top of or next to the recycling receptacle in a manner to prevent the scattering of the paper. Newspapers shall either be packed in standard grocery or paper shopping bags, placed in corrugated cartons or securely tied in flat bundles, none of which shall weigh more than fifty pounds. If not used for packing paper recyclables, corrugated boxes shall be collapsed and tied in bundles not weighing more than fifty pounds and placed by the recycling receptacle.

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D. Ownership of Recyclables, Offenses.

Upon placement of recyclables for collection by the City at the curbside, pursuant to this subsection, such materials shall become property of the City. It shall be a violation of this subsection (m) D. for any person, other than authorized agents of the City acting in the course of their employment, to collect or pick up or cause to be collected or picked up any recyclable material so placed. Each and every such collection or pick up in violation hereof from one or more locations shall constitute a separate and distinct offense. The recyclables collected by the City shall be transported to and disposed of at the designated

Materials Recovery Facility. Any violation of this paragraph D or any part thereof shall be punishable by a fine not to exceed fifty dollars and the violator shall make restitution to the City for the value of the recyclables illegally removed.

E. All ordinances, resolutions, regulations or other documents inconsistent with the provisions of this ordinance are hereby repealed to the extent of such inconsistency.

F. This subsection and the various parts, sentences and clauses thereof are hereby declared to be severable. If any part, sentence or clause is adjudged invalid, it is hereby provided that the remainder of this subsection shall not be affected thereby.

G. This subsection shall take effect within one week after the Materials Recovery Facility commences commercial operation and the City's collection process is in place. Notice of the commencement date shall be published once in a daily newspaper having circulation in the City.

Passed to a second reading at the City Council meeting held on April 11, 1988 and on or after April 25, 1988 the question comes on passing to be ordained.

ATTEST:- John E. Flynn
Deputy City Clerk



City of Cambridge

In the Year One Thousand, Nine Hundred Eighty-Eight

AN ORDINANCE

In amendment to an ordinance entitled "The Zoning Ordinances of the City of Cambridge."

Be it ordained by the City Council of the City of Cambridge as follows:

1. Article 2.000 (Definitions) of the Zoning Ordinance is hereby amended by adding thereto the following new definition of "helipad":

Helipad. Any area of land or water, other than an airport, which is used or made available for the landing and takeoff of helicopters or other aircraft.

2. Article 4.21 is hereby amended by adding thereto the following new Article 4.21 n:

n. A helipad or airport shall not be considered as an accessory use.

3. Article 4.30 (Table of Use Regulations) is hereby amended by adding to Article 4.32 (Transportation, Communications and Utility Uses) the following new line 4.32 h:

h. Helipad No No No No No No No No No No No No No No No
or Airport.

Passed to a second reading as amended at the City Council meeting held on April 11, 1988 and on or after April 25, 1988 the question comes on passing to be ordained.

ATTEST:- John E. Flynn
Deputy City Clerk



City of Cambridge

In the Year One Thousand, Nine Hundred Eighty-eight

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In amendment to an ordinance entitled "The Zoning Ordinances of the City of Cambridge".

Be it ordained by the City Council of the City of Cambridge as follows:

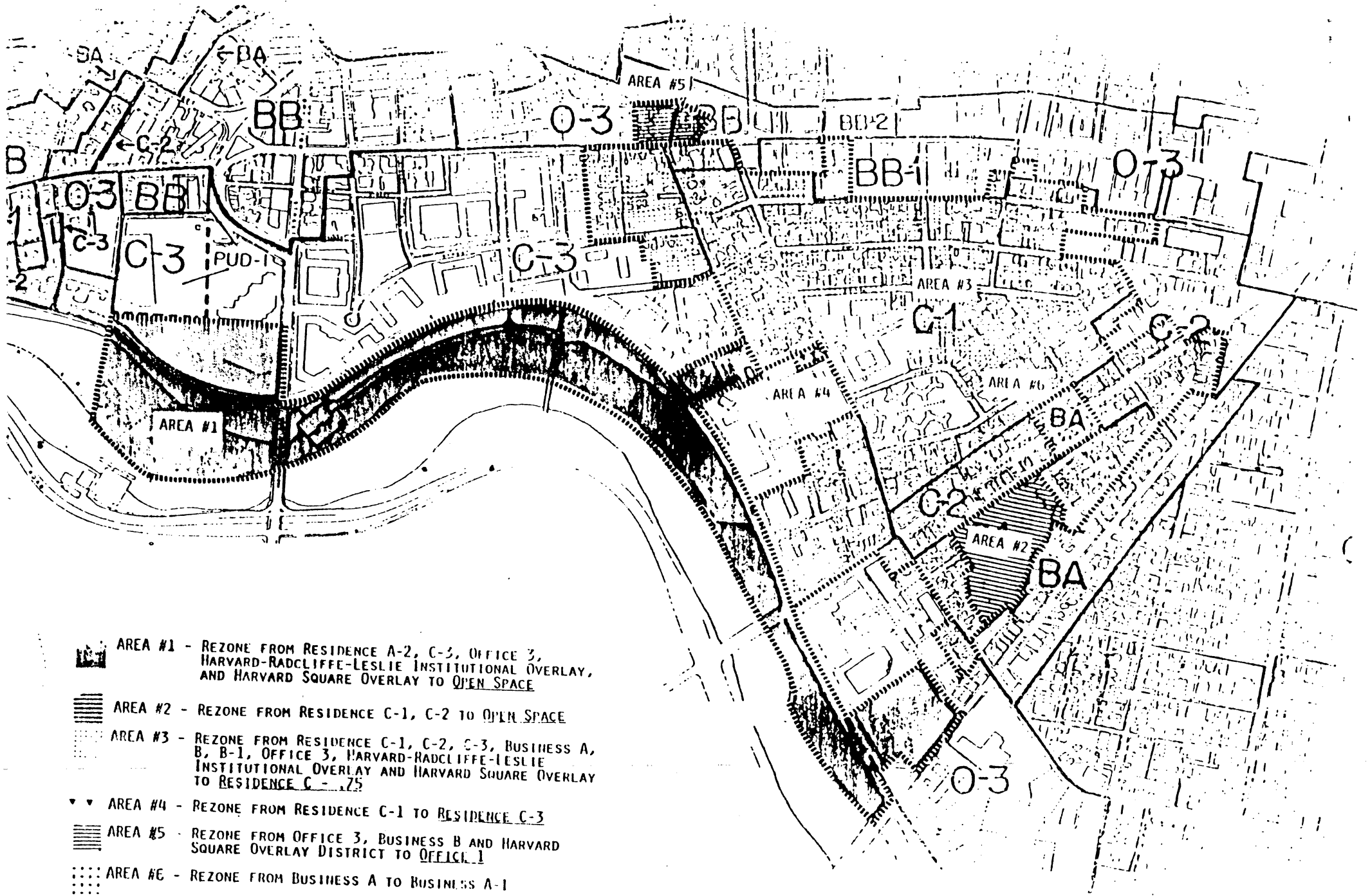
That the Zoning Ordinances and the Zoning Map of the City of Cambridge be amended by creating a new Residence C-.75 District and inserting new definitions in Article 2.000 relating to definitions of roof types. The new Residence C-.75 District has a height limit of 35 feet and restrictions relating to roof type and a floor area ratio of .75. The Zoning map is variously zoned in the Riverside neighborhood from the current Residence A-2, C-1, C-2, C-3, Office 3, Business A, B, and B-1, Harvard Square Overlay District and Harvard-Radcliffe and Leslie Institutional Overlay District to the new Residence C-.75, Residence C-3, Office, 1, and Business A-1, and to Open Space as shown on the accompanying map.







Passed to a second reading at the City Council meeting held on April 11, 1988 and on or after April 25, 1988 the question comes on passing to be ordained.

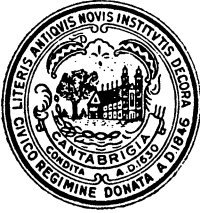
ATTEST:- John E. Flynn
Deputy City Clerk

NOTE: Pursuant to the provisions of General Laws, Chapter 40, Section 32A, Tercentenary Edition, the ordinance as aforesaid which exceeds in length eight octavo pages of ordinary book print may be summarized for publication in a newspaper of general circulation in the city with the further provision that said Zoning Ordinance may be examined and obtained at the City Clerk's Office during office hours and that any objection to its invalidity by reason of any defect in the procedure of adoption may only be made within ninety days after the posting or the second publication.

ATTEST: John E. Flynn
Deputy City Clerk



- 
AREA #1 - REZONE FROM RESIDENCE A-2, C-3, OFFICE 3, HARVARD-RADCLIFFE-LESLIE INSTITUTIONAL OVERLAY, AND HARVARD SQUARE OVERLAY TO OPEN SPACE
- 
AREA #2 - REZONE FROM RESIDENCE C-1, C-2 TO OPEN SPACE
- 
AREA #3 - REZONE FROM RESIDENCE C-1, C-2, C-3, BUSINESS A, B, B-1, OFFICE 3, HARVARD-RADCLIFFE-LESLIE INSTITUTIONAL OVERLAY AND HARVARD SQUARE OVERLAY TO RESIDENCE C - .75
- 
AREA #4 - REZONE FROM RESIDENCE C-1 TO RESIDENCE C-3
- 
AREA #5 - REZONE FROM OFFICE 3, BUSINESS B AND HARVARD SQUARE OVERLAY DISTRICT TO OFFICE 1
- 
AREA #6 - REZONE FROM BUSINESS A TO BUSINESS A-1



City of Cambridge

In the Year One Thousand, Nine Hundred

AN ORDINANCE

In amendment to an Ordinance formerly entitled "The General Ordinances of the City of Cambridge" as revised in 1972 and now designated as "The Code of the City of Cambridge."

Be it ordained by the City Council of the City of Cambridge as follows:

The General Ordinances of the City of Cambridge are hereby amended by striking subsection (m) of Sec. 17-76. Garbage and rubbish collection from private property, as added by Ordinance No. 824 (9-10-73), and substituting therefor the following new subsection (m):

(m) Mandatory Recycling

A. There is hereby established a program for the mandatory separation of certain recyclable material from garbage or rubbish by the residents of the City of Cambridge and the collection of these recyclables at the residents' curbside. The collection of separated recyclables shall be made periodically under the supervision of the Commissioner of Public Works.

B. For the purpose of this ordinance affected recyclables are defined as follows:

1. Aluminum - cans made from aluminum, aluminum foil, aluminum wrappers, and aluminum containers or trays used in the packaging, preparation, or cooking of foods.

2. Glass - all unbroken jars and bottles, and all other material commonly known as glass, but excluding blue and flat glass, window glass, dishes and crockery.

3. Ferrous metal cans - all containers composed in whole of iron or steel or so-called tin cans used as containers for food or nonfood items, except containers which contained paint or petroleum based solvents and pressurized aerosol cans.

4. Clean and unsoiled newspaper, including newsprint, all newspaper advertisements, supplements, comics and enclosures. Newspapers shall be considered clean and unsoiled if they have not been exposed to substances rendering them unusable for recycling.

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D. Ownership of Recyclables, Offenses.

Upon placement of recyclables for collection by the City at the curbside, pursuant to this subsection, such materials shall become property of the City. It shall be a violation of this subsection (m) D. for any person, other than authorized agents of the City acting in the course of their employment, to collect or pick up or cause to be collected or picked up any recyclable material so placed. Each and every such collection or pick up in violation hereof from one or more locations shall constitute a separate and distinct offense. The recyclables collected by the City shall be transported to and disposed of at the designated

Materials Recovery Facility. Any violation of this paragraph D or any part thereof shall be punishable by a fine not to exceed fifty dollars and the violator shall make restitution to the City for the value of the recyclables illegally removed.

E. All ordinances, resolutions, regulations or other documents inconsistent with the provisions of this ordinance are hereby repealed to the extent of such inconsistency.

F. This subsection and the various parts, sentences and clauses thereof are hereby declared to be severable. If any part, sentence or clause is adjudged invalid, it is hereby provided that the remainder of this subsection shall not be affected thereby.

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CITY OF CAMBRIDGE

CAMBRIDGE, MASSACHUSETTS 02139
TEL. 498-9011

EXECUTIVE DEPARTMENT
ROBERT W. HEALY
City Manager

RICHARD C. ROSSI
Deputy City Manager

February 9, 1987

To the Honorable, the City Council:

Enclosed is a copy of a proposed amendment to the Code of the City of Cambridge which will establish a mandatory recycling program. This program is contingent upon the siting of a Materials Recovery Center for this region. Several locations are currently being investigated and the Department of Environmental Quality Engineering hopes to finalize plans within the next month.

I recommend that this proposed amendment be sent to the Committee on Ordinances for approval.

Very truly yours,

Robert W. Healy
City Manager

Re: enclosed copy of a proposed amendment to the General Ordinances by striking subsection (m) of Section 17-76 entitled "Garbage and rubbish collection from private property" & inserting a new subsection (m) entitled "Mandatory Recycling".

In City Council,

February 9, 1987

*Referred to the
Ordinance Committee*

*copy sent to Committee Walsh, Chairman
Committee on Ordinances 2/20/87 mh*

Committee on Ordinances

Present - Councillor William H. Walsh - President

3/18/87

6:14 P.M.

① C. D. Sullivan

② C. Vellera

③ C. Walsh

C. Walsh

Que. \$1 for permit & inspection
of residential buildings re: C-148526

Chief Scott

Engine Co. goes out to check
attempts to provide structure
for adequate smoke detectors.

C. D. Sullivan

State law requires this type
of certification

Chief

We're trying to recover
costs

C. D. Sullivan

Refs w/o room needed in

6:20 P.M.

John Schall
Personnel Director

This is part of a regional
program

C. Villani

Over purpose of this type of ordinance

John Schall

State will provide containers to each household and all recyclables will go into it and will be collected on same day as regular rubbish pick up. Will provide collection equipment - one time.

C. Walsh

- Over apartment buildings

J. Schall

- Large buildings will have separate programs

Several models being considered

Can't with some \$500,000 yearly in disposal cost

C. D. Sullivan

This will not apply to buildings which have separate receptual

J. Schall

This program being operational in about 1 year away

Tom Clinton

Data should be gathered from large landlords

J. Schall

We're doing that

"

no dumping site has been selected yet

J. Schall

Newton, Brookline, Belmont, Cambridge, Waltham and Waltham, currently considering in some form this ordinance.

C.D. Sullivan

Need wide spread guarantee that these communities will be participating to be economically self-sufficient.

Tom Clanton

Project Committee: we've studied this concept and this is best program we've seen.

J. Schall

\$106,000 to operate program, but will receive about \$486,000?

C. Walsh

Que. fine provision

J. Schall

It's important to have some fine

1.1

Springfield, Holyoke, Chicopee already adopted ordinance and faculty has been asked

..

79% of people in Cambridge polled said they wanted it

1.1

Me. of Univ already agreed to conduct this operation

C. D. Sullivan - Refer w/o recommendation

Ady. 7:25 P.M.



CITY OF CAMBRIDGE

CAMBRIDGE, MASSACHUSETTS 02139
TEL. 498-9011

EXECUTIVE DEPARTMENT
ROBERT W. HEALY
City Manager

RICHARD C. ROSSI
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February 9, 1987

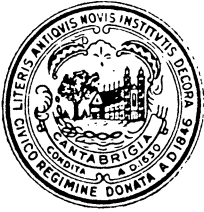
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City of Cambridge

In the Year One Thousand, Nine Hundred

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**Regional Recycling Project
Proposal to Cambridge**

I. Introduction: Recycling as a Solid Waste Management Strategy

Recycling has recently moved into new prominence as a solid waste management strategy. In many states--notably New Jersey, Oregon, Nebraska, Minnesota, and Wisconsin--substantial commitments to waste management through recycling have been made in the last three years.

Rising real estate values and increased emphasis on environmental protection have brought the problems of landfilling into sharp focus. Like Massachusetts, other states are "running out of space". Like Massachusetts, both residents and public officials are becoming increasingly concerned about contamination of ground and surface waters by active and inactive land burial sites.

In New Jersey, more than 10 percent of the waste generated in the state is currently recycled. In selected cities across the country, the diversion rate is even more striking. San Francisco recycles 22% of its total waste stream; Seattle recycles 18%; Austin, Texas diverts 20%. In comparison, Massachusetts recycles about 5%, mostly due to the Bottle Law. (All of the small, local programs combined, recycle less than one percent of the waste stream in Massachusetts).

Returning discarded materials to industry is the most cost-effective waste management strategy. In studies performed for cities and states across the country, recycling has been demonstrated to be the most cost effective solid waste disposal option available.

The Commonwealth is embarking on a program to help communities reduce and manage their solid waste. The outline of this program includes the following components, explained more fully below.

1. State development and financing of regional materials recovery facilities (MRFs). These facilities will process and market the recyclables collected by participating communities or their commercial haulers.

2. State planning and financial assistance to communities to develop cost effective curbside recyclables collection programs.

3. State assistance to communities to develop recycling educational materials and programs for households, schools, and commercial waste generators.

4. Passage of municipal recycling ordinances, which will require source separation of trash and curbside collection of recyclables.

If Cambridge agrees to participate in a regional recycling project it could realize, based on this years disposal and collection costs, over \$300,000 in avoided disposal costs and recycling revenues. The specific cost/benefit analysis for Cambridge is included as an appendix to this proposal.

II. The State's Regional Recycling Plan.

1. Source Separation.

Recycling as a solid waste management method occurs when items that have become waste are diverted from the waste stream, collected, processed, and then reintroduced into the economic mainstream as feedstocks for manufacturing processes.

Under the proposed plan, residents will separate all glass bottles and jars and all aluminum and tin cans into the recycling container provided to each household in Cambridge as part of the Regional Recycling Program. Newspapers, magazines and cardboard will be placed on top of the glass and metal in the same recycling container. This container will then be placed at the curbside for collection on the same day as regular trash collection.

This is source separation of a simple and easy type--a far cry from earlier recycling programs that required complicated separation into 8 or even 10 categories. Experience in other states has shown that 65% of a community's residents will participate in such a program, once a municipal recycling ordinance has been passed.

These ordinances require recyclables to be separated from the regular trash by households and to be collected at the curbside by municipal or contracted haulers. Based on the amount of recyclables generated per capita if 65% of Cambridge's residents separate their garbage in this simple way, 15-20% of the total waste stream in Cambridge will be diverted from either land disposal or waste-to-energy facilities.

2. Curbside Collection

The state will provide two services to assist participating communities in developing the most efficient and cost effective collection systems possible. First, the state will offer technical assistance to help determine the most effective collection method for a particular community. Second, the state will provide grants to pay for any capital equipment required by the curbside collection ordinance, including both vehicles and containers.

3. Processing and Marketing

After recyclables are collected from the curb, they must then be upgraded, to meet the specifications of the industries willing to buy them. This upgrading will be performed by intermediate processing equipment, located in a materials recovery facility (MRF). The Commonwealth is currently developing its first materials recovery facility in the Lower Pioneer Valley. We are planning on the second facility to be located in the Metro Boston region.

a. What is a Materials Recovery Facility or MRF?

A materials recovery facility (MRF) is an intermediate processing center which processes waste materials into industrial feedstocks. Most intermediate processing involves simple, labor-intensive sorting, densifying and cleaning.

The MRF technology under consideration by the state receives recyclables separated into two "streams"--glass and metal containers in one stream; paper in another. The containers pass along a conveyor and the ferrous metals are removed magnetically. Nonferrous metals and glass are hand-picked and directed into densifying equipment. The equipment removes the labels and caps from the glass containers as it cleans and crushes them. The cans are de-labelled and then flattened or shredded by can processing equipment. The resulting "secondary materials" are of a high quality and thus attractive to end-user markets.

The paper stream will either be sold as mixed paper or processed into three grades of paper, depending upon markets. The first two MRFs will probably differ in their handling of paper, to explore the advantages of each option. One regional project will produce baled newsprint, corrugated, and low-grade mixed paper. Another regional program may simply deliver unsorted and unbaled paper to a recycled fiber mill or a paper-stock broker; it will either be processed or used as is.

b. Ownership/Financing of the MRFs.

The state will finance and construct the Materials Recovery Facility, and bid its operation out to the private sector.

c. Marketing.

Marketing of materials generated through the regional program will initially be done by the MRF operator, with state assistance. As more MRFs are built, a statewide marketing cooperative will be developed to coordinate the marketing

functions. A market study prepared by the state indicates that there is currently a stable market demand for the materials that would be generated by at least ten plants, taking in 40,000 tons of recyclables per year and operating at full capacity. The sole marketing responsibility of the municipalities will be to deliver the materials to the MRF in two streams, as specified in the agreement between the municipality and the MRF.

d. Economics of the MRFs

The MRF will pay participating municipalities for each ton of waste recycled at the MRF out of surpluses generated by the facility. The exact amount will be negotiated between the MRF operator, the state, and the communities.

Based on the projected MRF operating statements contained in the MRF Feasibility Study, communities can expect to recover approximately (ballpark estimate only) \$5 for each ton of recyclables they deliver to the MRF. This payment will add to avoided disposal cost. Together, the avoided disposal cost and revenue from the sale of recyclables will provide the community with a substantial economic incentive. As Appendix I indicates, this program could result in a total benefit of more than \$300,000 per year for Cambridge based on the disposal costs Cambridge began paying in its most recent contract. As future disposal costs rise, this amount will likewise increase.

IV. What Makes Recycling Work?

Recycling works for municipalities when there is some direct benefit to be gained from it. In Massachusetts the two benefits for municipalities that enter into a regional program are (1) avoided costs of disposal, and (2) revenue from sale of recyclables at the MRF, based on the tonnage the municipality has recycled at the MRF.

One reason for the "poor track record" of local, voluntary recycling programs is that their costs have been computed outside of the costs of the solid waste system. Recycling programs, because they haven't been seen as solid waste management strategies, have had to "pay their own way," a requirement not applied to landfills or incinerators. Recycling should be considered to be "working successfully" if it reduces the cost of managing garbage, even if the materials recycled generate no income at all.

In the past, many recycling programs have failed because there has been no institutional support structure. The recycling programs which did not succeed in Massachusetts over the past fifteen years were all operating without a statewide materials recovery infrastructure and market development program.

Local programs generate small quantities and have limited ability to find markets and bring materials up to specifications demanded by those markets. Without a state infrastructure, program success and longevity have been elusive. The current plan for state/local cooperation will create the support structure necessary for regional recycling programs to succeed.

V. Recycling and Energy Recovery

Recycling is receiving growing attention as a means improving the efficiency, cost-effectiveness, and performance of waste-to-energy facilities. Essex County New Jersey, in its landmark study, "The Integration of Materials and Energy Recovery in the Essex County Solid Waste Management Plan", investigated the BTU value of waste loads with 15 percent, 25 percent, and 35 percent of their materials removed through source separation. The study found that when glass, metal cans, and newsprint were removed, the BTU value of the waste increased. A 15 percent rate of removal resulted in a 6 percent increase in BTUs/ton over non-source-separated wastes. With 35% recycling rate BTU's per ton increased by over 11%. Glass and metal, because of their heat retention properties, had been taking heat out of the system.

There are important fiscal and technical reasons to integrate recycling ("materials recovery") with waste-to-energy systems ("energy recovery"). In brief, an integrated system produces:

1. Less abrasion on facility moving parts, resulting in lower maintenance costs.
2. More BTU's per ton; i.e. better fuel quality.
3. Decreased amount of residue ash to be landfilled.
4. Consistent combustion temperatures, resulting in decreased emissions.
5. Decreased heavy metals in emissions, because metals have been removed from the burn process.
6. Increased efficiency of front-end materials handling, because the incoming waste is more homogeneous.

VI. Participation in the State Program

In order to participate in the Metro Regional Recycling Program, Cambridge will be asked to make a commitment to the project by agreeing to:

1. pass a mandatory source separation ordinance;
2. publicize the program and educate residents;
3. collect the target materials, or contract for their collection;
4. deliver those materials to the MRF.

The Commonwealth's responsibilities to communities participating in the Regional Recycling Program will be:

1. develop a regional Materials Recovery Facility;
2. provide technical assistance to evaluate collection options;
3. plan educational campaigns and supply prototypical educational materials;
4. provide recycling equipment grants.

In cooperation, the state and local communities can create the kind of effective recycling solid waste management methods that have eluded local communities working on their own. We strongly encourage Cambridge to participate in the Metro Regional Recycling Program.

APPENDIX I: RECYCLING COST/BENEFIT POTENTIAL IN CAMBRIDGE

The Recycling Collection System

While different options exist, and Cambridge will be able to make choices which will allow the recycling collection system to ideally fit local needs and circumstances, it is probable that the program will generally fit the following description:

- 1) All residents who are now served by municipal curbside waste collection will also be provided curbside recycling collection.
- 2) Residents will put their recyclables at the curb in a special recycling container provided to each household as part of the Regional Recycling Program. The special recycling container will make participation more convenient; it will help waste collection and recycling crews to more readily identify what is or is not recyclable; the presence of the highly visible recycling container throughout all streets in Cambridge will also serve as a highly effective, constant promotional service.
- 3) In addition, high quality promotional efforts will be launched--flyers, public service announcements, media events, etc. Initially these promotional programs will be paid for by the Commonwealth.
- 4) Recyclable materials -- paper (newspaper, cardboard) and glass and metal -- will be collected on a weekly basis on the same day as regular waste collection, by special recycling trucks, also provided by the Commonwealth.
- 5) When feasible, recycling services will be extended to serve commercial outlets, offices, apartment buildings, and other sources of recyclable waste.

The special recycling trucks and other aspects of this recycling collection system will be new. Operationally, the system will be similar but not identical to traditional waste collection services offered by Cambridge. Statistics and operational experience from successful recycling programs in other municipalities will be used to guide the local program.

As discovered by experience in a number of other curbside recycling programs using state-of-the-art collection equipment, the recycling truck will be able to cover a much larger route than the waste collection truck and crew -- about 1,900 "stops" on average (while waste collection crews in Cambridge cover fewer than 500 stops per crew). This is true because on the average,

based on results from other programs, we expect each household will only set out material for collection once every 2.0 weeks, even though they could potentially participate every week. This means that only 950 actual stops (at a maximum, assuming 100% participation) will be made by the recycling truck, out of the total of 1,900 potential stops. If a more realistic participation rate of 65% is used due to Cambridge's heavy concentration of multifamily dwellings, this would mean each recycling truck would make approximately 600 stops. Since the recycling truck will be picking up only 10-30 lbs per stop rather than the 50-70 lbs per stop of regular waste and since the recyclables will be clearly identifiable by the special setout container, it is reasonable to expect the 600-700 stop experience of other communities should hold roughly true for Cambridge as well.

The typical special recycling truck will hold up to 5 to 7 tons of material, and will need to be unloaded twice each day at the Materials Recovery Facility ("MRF"). The truck will be designed to unload quickly and efficiently at the MRF. One particular vehicle examined for this program, and now being used successfully in a number of cities, is designed to be operated completely by one person (right hand drive, special braking systems and body design, etc.). This truck and others could alternately be operated with additional staff people.

In the economic data presented in this brief overview, wages have been included at a relatively high level, but only for one person per truck. Since Cambridge has roughly 39,000 housing units, if 65% of all units participate there will be on average, 25,350 participating households per week, or 5,070 participating households per day. If each participating household recycles 10lbs of recyclables/week, each day the 5,070 participating households will recycle 50,700 lbs of recyclables, or 25.3 tons. Since each truck can hold roughly 5-6 tons per load and can collect two loads per day, conservatively each truck can handle 10 tons per day, and a total of 3 trucks would be required to collect Cambridge's recyclables. Finally, since Cambridge currently collects approximately 152 tons of garbage per day, recycling 25.3 tons per day would produce a 17% diversion rate.

Since the Commonwealth is accepting financial responsibility for constructing the MRF and for purchasing the recycling trucks and recycling containers, none of the above are included in the cost data for the recycling collection system. The following summary is approximate, but it should, however, serve as a good indication of the costs and benefits Cambridge would realize if it launches the proposed recycling program.

Recycling System Costs

Wages and Benefits	\$25,000/per person x 3 =	\$75,000
Operating Expenses	3,000/per truck x 3 =	9,000
Maintenance and Repair	4,500/per truck x 3 =	13,500
Administration and Publicity		= 9,000
Total Annual Collection System Cost		= \$106,500

This annual cost is for the operational costs, maintenance and repair of the three recycling trucks and the wages and benefits of the three workers which we have estimated will be required by Cambridge to operate its recycling collection program. In addition we have included an estimated expense of \$9,000 for ongoing public education activities and administrative oversight.

Benefits to Existing Disposal and Collection System

Cambridge currently disposes of its municipal solid waste at the BFI transfer station in Cambridge for \$62.25/ton. Cambridge generates roughly 39,566 tons per year of solid waste. The recycling collection system described above will lead to a 17% reduction in total municipal solid waste delivered to the BFI transfer station, if on average, 65% of the Cambridge residents participate in this program on a weekly basis. This will produce a significant disposal cost savings. Based on a 17% diversion rate, 6,330 tons of recyclables would be removed from the 39,556 tons of waste Cambridge residents currently generate. At a savings of \$62.25 per ton this would produce a total savings of \$394,042. This is the savings that would be realized at current disposal costs. As future disposal costs rise, the savings from recycling will increase apace.

In addition any payment for materials delivered to the MRF would be a net benefit added on to the savings noted here. It is estimated that per ton payments by the MRF could be as high as \$5.00 per ton. For 6,330 tons of recyclables this would be a revenue of \$31,650.

Finally there is concrete evidence from other cities and towns that this reduction in the total volume handled by the regular waste collection system will lead to real savings in current collection costs as well. The average waste collection truck will still need to cover the same route, and stop at the same number of homes, but the volume of waste collected will drop by 15-20%. This means that the truck will not be full as soon, and that the total number of trips to the disposal site can be reduced. In the long term, it will mean that the total number of waste collection trucks required for Cambridge may be lowered, thereby creating further cost savings.

Solid evidence indicated that **cost savings in the short to medium term can be about 12%**. In the case of Cambridge, where annual waste collection costs are now about \$1,391,000 this will bring a cost reduction of about \$166,920.

In order to be certain that these potential cost savings can be realized, and also to maintain the type of information that will allow all impacts of the recycling system to be fully understood, **it will be necessary for careful monitoring and evaluation to be carried out.** Cambridge will be given all forms and guidance required, and will be assisted as needed in maintaining the straightforward records required.

To briefly summarize the economic benefits which Cambridge could realize by participating in the Regional Recycling Program:

Avoided Disposal Costs	
Current Rates (\$62.25/ton)	\$394,042
Potential Waste Collection Systems Savings	\$166,920
Potential Revenues Received from the MRF	\$31,650

Total Cost/Benefit Summary for the Cambridge Recycling Program

All up front costs for the Cambridge recycling program will be paid by the Commonwealth. This will include capitalizing the Materials Recovery Facility, purchasing the recycling collection trucks, paying for the initial public education campaign, and providing the recycling set out container for all Cambridge households.

To operate the recycling collection system will cost Cambridge approximately \$106,500. Based on current disposal rates, Cambridge will realize \$394,043 in avoided disposal costs for a net benefit of \$287,542. If we include the likely revenues of \$31,650 to be realized from sale of materials to the MRF this would increase Cambridge's net benefit from \$287,542 to \$319,192. Finally, if Cambridge can realize the full benefits of recycling on their current collection system this would mean an additional \$166,920 in savings for a net benefit of \$486,112. These three different case scenarios are summarized below:

Cost/Benefit Summary

Case 1: Current Disposal Costs without Revenues

Recycling Collection Program Costs	=	\$106,500
Recycling Program Benefits		
6,330 tons x \$62.25/ton avoided cost	=	\$394,042
Net Benefit (Total Program Benefits - Costs)	=	\$287,542

Case 2: Current Disposal Costs with Revenues

Recycling Collection Program Costs	=	\$106,500
Recycling Program Benefits		
6,330 tons x \$62.25/ton avoided cost	=	\$394,042
6,330 tons x \$5/ton revenue	=	\$31,650
Net Benefit (Total Program Benefits - Costs)	=	\$319,192

**Case 3: Current Disposal Costs with Revenues and Decreased
Garbage Collection Costs**

Recycling Collection Program Costs	=	\$106,500
Recycling Program Benefits		
4,375 tons x \$10 ^{\$90} /ton avoided cost	=	\$394,042
4,375 tons x \$5/ton revenue	=	\$31,650
12% garbage collection cost savings	=	\$166,920
Net Benefit (Total Program Benefits - Costs)	=	\$486,112

It should be clear that the system described here should be considered a **foundation**, which can be expanded and strengthened by the addition of other waste reduction components such as composting, industrial and commercial recycling, and other activities designed to lower the total volume of waste required for disposal.

The Bureau of Solid Waste Disposal is currently working on programs to assist communities in all of these areas of waste reduction.

js
<Write5>CambridgeCost/Benefit



City of Cambridge

2.
IN CITY COUNCIL

December 28, 1987

MAYOR WALTER J. SULLIVAN

ORDERED: That all items currently pending before the City Council and not acted upon at this, the final legislative session of 1987 be placed in the files of the City Clerk without prejudice.

In City Council December 28, 1987.
Adopted by the affirmative vote of 9 members.
Attest:- Joseph E. Connarton, City Clerk.

A true copy;

ATTEST:- *Joseph E. Connarton*
Joseph E. Connarton, City Clerk.



City of Cambridge

(Communication No. 8)

IN CITY COUNCIL

March 30, 1987

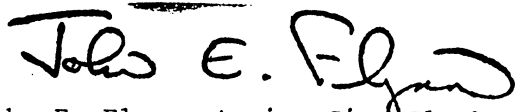
COUNCILLOR DUEHAY

ORDERED: That the following proviso be attached regarding the amendment to Chapter Seventeen of the General Ordinances, relative to garbage and rubbish collection:

ORDERED: That the proposed recycling program not go into effect until the City Council participates in the discussion and agrees upon the proposed materials recovery facility.

In City Council March 30, 1987.
Adopted by the affirmative vote of 9 members.
Attest:- John E. Flynn, Acting City Clerk.

A true copy;

ATTEST:- 
John E. Flynn, Acting City Clerk.



City of Cambridge

ORIGINAL

(Communication No. 8)

IN CITY COUNCIL

March 30, 1987

COUNCILLOR WOLF

ORDERED

That the City Manager be and hereby is requested to furnish the following information, which caused the tabling of this proposed amendment to the General Ordinances:

1. Status of site selection of materials recovery facility.
2. To confer with those regional officials that will be associated with this proposed ordinance, to discuss the pros and cons of the State Recycling Program.



City of Cambridge

AMENDED

(Communication No. 8)

IN CITY COUNCIL

March 30, 1987

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1. Status of site selection of materials recovery facility.
2. To confer with those regional officials that will be associated with this proposed ordinance, to discuss the pros and cons of the State Recycling Program; and be it further

ORDERED: That the City Manager be and hereby is requested to confer with the State Secretary of Transportation, Mr. Frederick Salvucci, in order to receive a detailed listing of approved truck routes in the City of Cambridge.

In City Council March 30, 1987.

Adopted as amended by the affirmative vote of
9 members.

Attest:- John E. Flynn, Acting City Clerk.

A true copy;

ATTEST:-

A handwritten signature in dark ink that reads "John E. Flynn".

John E. Flynn, Acting City Clerk.



City of Cambridge

(Communication No. 8)

IN CITY COUNCIL

March 30, 1987


VICE-MAYOR VELLUCCI

ORDERED: That the proposed fine affixed regarding non-compliance with a recycling program that the \$15.00 fine be stricken and insert \$1.00.

In City Council March 30, 1987.
Failed of adoption by a yea and nay vote:-
Yeas 4; Nays 5; Absent 0.
Attest:- John E. Flynn, Acting City Clerk.

A true copy;

ATTEST:-


John E. Flynn, Acting City Clerk.



City of Cambridge

ORIGINAL

(Communication No. 8)

IN CITY COUNCIL

March 30, 1987

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City of Cambridge

AMENDED

(Communication No. 8)

IN CITY COUNCIL

March 30, 1987

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A true copy;

ATTEST:-

John E. Flynn, Acting City Clerk.



City of Cambridge

(Communication No. 8)

IN CITY COUNCIL

March 30, 1987

COUNCILLOR DUEHAY

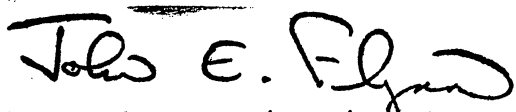
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Adopted by the affirmative vote of 9 members.
Attest:- John E. Flynn, Acting City Clerk.

A true copy;

ATTEST:-


John E. Flynn, Acting City Clerk.



City of Cambridge

(Communication No. 8)

IN CITY COUNCIL

March 30, 1987

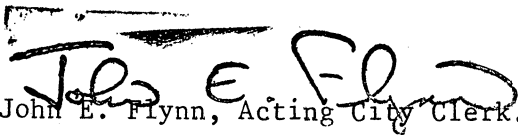
VICE-MAYOR VELLUCCI

ORDERED: That the proposed fine affixed regarding non-compliance with a recycling program that the \$15.00 fine be stricken and insert \$1.00.

In City Council March 30, 1987.
Failed of adoption by a yea and nay vote:-
Yeas 4; Nays 5; Absent 0.
Attest:- John E. Flynn, Acting City Clerk.

A true copy;

ATTEST:-


John E. Flynn, Acting City Clerk.



City of Cambridge

In the Year One Thousand, Nine Hundred

AN ORDINANCE

In amendment to an Ordinance formerly entitled "The General Ordinances of the City of Cambridge" as revised in 1972 and now designated as "The Code of the City of Cambridge."

Be it ordained by the City Council of the City of Cambridge as follows:

The General Ordinances of the City of Cambridge are hereby amended by striking subsection (m) of Sec. 17-76. Garbage and rubbish collection from private property, as added by Ordinance No. 824 (9-10-73), and substituting therefor the following new subsection (m):

(m) Mandatory Recycling

A. There is hereby established a program for the mandatory separation of certain recyclable material from garbage or rubbish by the residents of the City of Cambridge and the collection of these recyclables at the residents' curbside. The collection of separated recyclables shall be made periodically under the supervision of the Commissioner of Public Works.

B. For the purpose of this ordinance affected recyclables are defined as follows:

1. Aluminum - cans made from aluminum, aluminum foil, aluminum wrappers, and aluminum containers or trays used in the packaging, preparation, or cooking of foods.

2. Glass - all unbroken jars and bottles, and all other material commonly known as glass, but excluding blue and flat glass, window glass, dishes and crockery.

3. Ferrous metal cans - all containers composed in whole of iron or steel or so-called tin cans used as containers for food or nonfood items, except containers which contained paint or petroleum based solvents and pressurized aerosol cans.

4. Clean and unsoiled newspaper, including newsprint, all newspaper advertisements, supplements, comics and enclosures. Newspapers shall be considered clean and unsoiled if they have not been exposed to substances rendering them unusable for recycling.

5. Corrugated paper - corrugated boxes, cardboard, cardboard cartons, and similar corrugated and kraft paper materials.

C. Separation of Recyclables and Placement for Removal. Residents shall use the recycling receptacles provided by the city for the purpose of collecting the recyclables and placing them for disposal. These receptacles shall not be used for other rubbish or garbage. Recycling receptacles shall be placed on and removed from the curbside in accordance with section 17-76(d). All the metal and glass recyclables as defined in this subsection shall be placed together in the designated recycling receptacle. These materials need not be washed, flattened or processed in any way, and labels, lids, corks and neck rings need not be removed.

Recyclable newspapers and corrugated paper shall be placed on top of or next to the recycling receptacle in a manner to prevent the scattering of the paper. Newspapers shall either be packed in standard grocery or paper shopping bags, placed in corrugated cartons or securely tied in flat bundles, none of which shall weigh more than fifty pounds. If not used for packing paper recyclables, corrugated boxes shall be collapsed and tied in bundles not weighing more than fifty pounds and placed by the recycling receptacle.

Recyclables shall not be placed in plastic trash bags for collection, removal or disposal. Recyclables shall not be placed in the same refuse container or otherwise mixed with other forms of solid waste for collection, removal or disposal. Any violation of this subsection (m) c. or any part thereof shall be punishable by a fine not to exceed fifteen dollars.

D. Ownership of Recyclables, Offenses.

Upon placement of recyclables for collection by the City at the curbside, pursuant to this subsection, such materials shall become property of the City. It shall be a violation of this subsection (m) D. for any person, other than authorized agents of the City acting in the course of their employment, to collect or pick up or cause to be collected or picked up any recyclable material so placed. Each and every such collection or pick up in violation hereof from one or more locations shall constitute a separate and distinct offense. The recyclables collected by the City shall be transported to and disposed of at the designated

Materials Recovery Facility. Any violation of this paragraph D or any part thereof shall be punishable by a fine not to exceed fifty dollars and the violator shall make restitution to the City for the value of the recyclables illegally removed.

E. All ordinances, resolutions, regulations or other documents inconsistent with the provisions of this ordinance are hereby repealed to the extent of such inconsistency.

F. This subsection and the various parts, sentences and clauses thereof are hereby declared to be severable. If any part, sentence or clause is adjudged invalid, it is hereby provided that the remainder of this subsection shall not be affected thereby.

G. This subsection shall take effect within one week after the Materials Recovery Facility commences commercial operation and the City's collection process is in place. Notice of the commencement date shall be published once in a weekly newspaper having circulation in the City.

He further stated that the state will provide the capital costs of the containers as well as trucks utilized by the Recovery Center. He stated that it is estimated that Cambridge will save \$500,000 in yearly disposal costs.

Finally, he stated that it is anticipated that the program should be operational in twelve to fourteen months.

Councillor Vellucci stated that he had reservations about the implementation of such a program and the approach of a mandatory ordinance. He further stated that he was concerned that people would be confused regarding the operation of the recycling program.

Councillor Walsh stated that he was somewhat concerned regarding implementation of such a program as it effects larger buildings as opposed to individual owners and questioned whether or not the containers provided by the state should be covered so as to prevent rubbish being blown out or thrown across the public way.

Mr. Schall responded by stated that the containers would not be covered but that people should be bundling newspapers and should be placing the newspapers on top of the containers which effectively would serve as a cover. He further stated that apartment buildings should be handled separately from residential areas.

Councillor Vellucci questioned if in fact any other communities currently had such a program.

Mr. Schall responded that a similar recycling ordinance has been adopted in Springfield, Holyoke and Chicopee and a Materials Recovery Center has been cited for that area.

Councillor Walsh stated that he was concerned with the section (c) of the ordinance relating to the fine for violation. He stated that \$50.00 was excessive and urged that it be changed.

At this time Councillor David Sullivan moved to strike the word "\$50.00" and insert the word "\$15.00" in section (c) and further in section (g) to strike the word "daily" and insert the word "weekly".

At this time Councillor David Sullivan moved the proposed amendment be referred to the City Council as amended without recommendation.

The hearing adjourned at seven o'clock and twenty-five minutes p. m.

For the Committee,

Councillor William Walsh
Chairman.

City of Cambridge

In City Council March 30, 1987.....

The Ordinance Committee conducted a public hearing on Wednesday, March 18, 1987 at 6:14 p. m. in the Ackermann Room, City Hall, Cambridge, Massachusetts.

The purpose of the hearing was to review and consider the proposed amendment to the General Ordinances to establish a new fee schedule for the Fire Department and amend Chapter Seventeen of the General Ordinances relative to garbage and rubbish collection.

The committee first reviewed the proposed amendment to Chapter Ten of the General Ordinances entitled "Fire Prevention".

Councillor William Walsh, Chairman of the Committee, requested Chief Scott to outline the need for the proposed fee schedule and further questioned whether inspections were required by department regulations or state law such as Chapter 148 MGLA.

Chief Scott stated that the proposed fee schedule, specifically related to all inspections and permits required pursuant to Chapter 148 section 10A MGLA and that these inspections require an engine company going to residences throughout the city making inspections for fire alarms as well as commercial property for inspection, for a variety of inspection for smoke detectors as well as commercial property for a variety of reasons including the storage of gasoline and the storage of flammable materials as well as solids and gases. Chief Scott also stated that this is the first time the department has requested a fee for reviewing construction plans and that said review is time consuming and requires a superior officer to meet with the developer, architect, etc.

At this time both Councillor David Sullivan and Councillor Walsh commended the Chief for the work done by his department throughout these inspections and Councillor David Sullivan moved the proposed amendment be referred to the full City Council without recommendation.

The second item before the committee was a proposed amendment to the General Ordinances to establish a mandatory recycling program.

Councillor Walsh requested that appropriate individuals step forward to outline the program and at this time Mr. John Schall, the Recycling Director for the Commonwealth, informed the committee that this proposal is part of a regional program to be run in conjunction with the Department of Quality and Engineering and would be contingent upon the establishment of a Materials Recovery Center. He further stated that the state will provide containers for each household throughout the city for the placement of recyclables which will be collected on the same day as the regular rubbish pickup.

Ordinance #2
0-516
0-29

REPORT

Committee on Ordinances report regarding the hearing held on a proposed amendment to the General Ordinances to establish a new fee schedule for the Fire Department and amend Chapter Seventeen of the General Ordinances relative to garbage and rubbish collection.

12/28/87

Placed on File
Pursuant to Order #4

5/9/88 - Passed to be Ordained
As Amended
6-3-0.

In City Council,

March 30, 1987

3-30-87

Fire Dept. Fee Schedule
Passed to a second
Reading (9-0-0-0)

Amendment relative to
garbage and rubbish
collection tabled
for more information
9-0-0-0

(See two orders adopted - one as amended & an order that failed of adoption, within)